

Application No.: 10/757,114  
Docket No.: BB1167USDIV2

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**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1-11 (cancelled)

12. (new) An isolated polynucleotide comprising:

- (a) a nucleotide sequence encoding a polypeptide having sulfite reductase activity, wherein the polypeptide has an amino acid sequence of at least 95% sequence identity, based on the Clustal V method of alignment, when compared to SEQ ID NO:2, or
- (b) a complement of the nucleotide sequence, wherein the complement and the nucleotide sequence consist of the same number of nucleotides and are 100% complementary.

13. (new) The polynucleotide of Claim 12, wherein the amino acid sequence of the polypeptide comprises SEQ ID NO:2.

14. (new) The polynucleotide of Claim 12 wherein the nucleotide sequence comprises SEQ ID NO:1.

15. (new) A vector comprising the polynucleotide of Claim 12.

16. (new) A recombinant DNA construct comprising the polynucleotide of Claim 12 operably linked to at least one regulatory sequence.

17. (new) A cell comprising the recombinant DNA construct of Claim 16.

18. (new) A plant comprising the recombinant DNA construct of Claim 16.

19. (new) A seed comprising the recombinant DNA construct of Claim 16.